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NOTICE OF ALLOWANCE AND FEE(S) DUE

47394

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04/11/2008

04/11/2008

HITT GAINES, PC ALCATEL-LUCENT PO BOX 832570 RICHARDSON, TX 75083 EXAMINER

BRUCKART, BENJAMIN R

ART UNIT PAPER NUMBER

2146 DATE MAILED: 04/11/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/672.535	09/26/2003	Yigal Bejerano	Y.BEJERANO	3739

TITLE OF INVENTION: SYSTEM AND METHOD FOR PROVISIONING QOS PATHS WITH RESTORATION IN A NETWORK 49-1

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	07/11/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

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If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

ppropriate. All further ndicated unless correcte naintenance fee notifica		ng the Patent, advance on nerwise in Block 1, by (a	ders and notification a) specifying a new co	of m orresp	aintenance fees woondence address;	ill be and/or	mailed to the current of (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
47394 HITT GAINES ALCATEL-LUC PO BOX 832570	CENT O	/2008			Cert	tificate	of Mailing or Transn	nission deposited with the United class mail in an envelope above, or being facsimile te indicated below.
RICHARDSON	, TX 75083							(Depositor's name)
								(Signature)
	_		l					(Date)
APPLICATION NO.	APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR			ATTORNEY DOCKET NO.		CONFIRMATION NO.
10/672,535 ITLE OF INVENTION	09/26/2003 SYSTEM AND METE	IOD FOR PROVISIONIN	Yigal Bejerano NG QOS PATHS WITI	H RE	STORATION IN		Y.BEJERANO WORK ⁴⁹⁻¹	3739
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	E FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300		\$0		\$1740	07/11/2008
EXAM	INER	ART UNIT	CLASS-SUBCLASS					
BRUCKART,	BENJAMIN R	2146	709-241000					
Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of u or agents OR, alter (2) the name of a s registered attorney 2 registered patent listed, no name wil	the names of up to 3 registered patent attorneys agents OR, alternatively, the name of a single firm (having as a member a istered attorneys or agent) and the names of up to egistered patent attorneys or agents. If no name is ed, no name will be printed.				
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE		data will appear on the Ta substitute for filing (B) RESIDENCE: (C	ne pa g an a	tent. If an assigne ssignment. and STATE OR C	OUNT	TRY)	cument has been filed for
a. The following fee(s): Issue Fee Publication Fee (N		4t permitted)	o. Payment of Fee(s): (Pleas ed. t card	se first reapply an	y prev	iously paid issue fee s	hown above)
	tus (from status indicate		overpayment, to D) epós	it Account Numbe	ř	(enclose an	extra copy of this form).
	s SMALL ENTITY statu	,	☐ b. Applicant is no	long	er claiming SMAL	L EN	ΓΙΤΥ status. See 37 CF	R 1.27(g)(2).
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Typed or printed name					Registration N	o		
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APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/672,535 09/26/2003		Yigal Bejerano	Y.BEJERANO 3739 3-16-1-49-1		
47394 73	590 04/11/2008		EXAM	INER	
HITT GAINES,	PC		BRUCKART, BENJAMIN R		
ALCATEL-LUCE	NT		ART UNIT	PAPER NUMBER	
PO BOX 832570 RICHARDSON, TX 75083			2146 DATE MAILED: 04/11/200	8	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 985 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 985 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/672,535	BEJERANO ET AL.	
Notice of Allowability	Examiner	Art Unit	
	BENJAMIN R. BRUCKART	2146	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	ears on the cover sheet with the of (OR REMAINS) CLOSED in this apport or other appropriate communication (GHTS). This application is subject and MPEP 1308.	correspondence address oplication. If not included n will be mailed in due course. THIS	
1. This communication is responsive to the request for consider	deration filed 3/14/08.		
2. The allowed claim(s) is/are <u>renumbered claims 1-21</u> .			
 3. Acknowledgment is made of a claim for foreign priority ur a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 	e been received.		
3. Copies of the certified copies of the priority documents have	• • • • • • • • • • • • • • • • • • • •		
International Bureau (PCT Rule 17.2(a)).	cuments have been received in this	Thational stage application from the	
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			
5. \square CORRECTED DRAWINGS (as "replacement sheets") must	st be submitted.		
(a) \square including changes required by the Notice of Draftspers	- '	-948) attached	
1) ☐ hereto or 2) ☐ to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal	Patent Application	
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	/ (PTO-413),	
3. Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Da 7. ☐ Examiner's Amend	ate ment/Comment	
Paper No./Mail Date 4.		ent of Reasons for Allowance	
	9.		

Application/Control Number: 10/672,535 Page 2

Art Unit: 2146

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

Claims 1, 8 and 15 among other things teach 'a system and method for provisioning restoration paths in a computer network environment with a primary path generator identifying a primary path for normal network use; an auxiliary graph generator constructing a directed auxiliary graph from an undirected graph by reversing each link in the primary path and replacing each other link that is not in the primary path by two direct links; a walk identifier configured to talk the auxiliary directed graph with bridges; and a bridge identifier decomposing said walk into bridges, each protecting a different portion of the primary path making a restoration path. Both the restoration path and primary path meet the quality requirements.' The quality of service constraints ranging from bandwidth, cost and delay. The invention seeks to keep these measurements at a minimum in a restoration path.

The prior art does not teach the cited limitation.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

CORRESPONDANCE INFORMATION

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Benjamin R. Bruckart whose telephone number is (571) 272-

3982. The examiner can normally be reached on 9:00-5:30PM. If attempts to reach the examiner

by telephone are unsuccessful, the examiner's supervisor, Jeff Pwu can be reached on (571) 272-

6798. The fax phone number for the organization where this application or proceeding is

assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Benjamin R Bruckart

Examiner

Art Unit 2146

/Benjamin R Bruckart/

Examiner, Art Unit 2146

/Jeffrey Pwu/

Supervisory Patent Examiner, Art Unit 2146